1 to 16 pages

BRUHAT BANGALORE MAHANAGARA PALIKE

Developments and Improvements to Parks in CQAL layout and Sahakaranagara in Ward No.8, Kodigehalli

(9)

008-17-000045

Detailed Project Report

October 2016

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KEY MAP – Parks In CQAL Layout And Sahakaranagara

BRUHAT BANGALORE MAHANAGARA PALIKE

Project:Developments and Improvements to Parks in CQAL layout and Shankaranagara in Ward No.8, Kodigehalli

Est Cost: =50.0Lakh

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification. (P.No.7, I.No.2.24 of PW, P&IWTD SR 2016-17)								
	Park in Railway parallel road sahakaranagar	cum	1.00	45.00	20.25	0.30	273.38		
	Park in 23rd cross road sahakaranagar		1	40.00	13.00	0.30	156.00		
							429.38	72.08	**30949.35**
2	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305(P.No.148, I.No.19.60 of PW, P&IWTD SR 2016-17)								
	Park in Railway parallel road sahakaranagar		1	45	20.25	0.5	455.63		
	Park in 23rd cross road sahakaranagar		1	40	13	0.5	260.00		
	sports club Park		1	67	19	0.5	636.50		
							1352.13	320.12	**432842.26**
3	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.(P.No.109, I.No.14.62 of PW,P&IWTD S.R 2016-17))								
	Park in Railway parallel road sahakaranagar	sqm.	1	110	1.50		165.00		
	Park in 23rd cross road sahakaranagar		1	120	1.50		180.00		
	sports club Park		1	175	2.00		350.00		
							695.00	1150.10	**799319.50**
4	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)								
	for walkway	No.							
	New Kerbs								
	Park in Railway parallel road sahakaranagar		3	110.00	--	/0.45	733.00		
	Park in 23rd cross road sahakaranagar		3	120.00	--	/0.45	800.00		
	sports club Park		1	175.00	--	/0.45	389.00		
							1922.00	331.78	**637681.16**
5	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.182, I.No. 24.1 of PW,P&IWTD SR 2016-17)								
	for walkway	Sqm							
	Park in Railway parallel road sahakaranagar		3	110.00	--	0.35	115.50		
	Park in 23rd cross road sahakaranagar		3	120.00	--	0.35	126.00		
	sports club Park		3	175.00	--	0.35	183.75		
							425.25	63.60	**27045.90**

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Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)								
	Bed Concrete	Cum							
	Park in Railway parallel road sahakaranagar		6	0.50	0.50	0.10	0.15		
	Park in 23rd cross road sahakaranagar		10	0.50	0.50	0.10	0.25		
	for walk way								
			1	110.00	1.50	0.10	16.50		
			1	120.00	1.50	0.10	18.00		
	For saucer Drain								
	Park in Railway parallel road sahakaranagar		1	110.00	0.30	0.05	1.65		
	Park in 23rd cross road sahakaranagar		1	120.00	0.30	0.05	1.80		
	sports club Park		1	175.00	0.30	0.05	2.63		
							40.98	5598.92	**229415.75**
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)								
	Park in Railway parallel road sahakaranag	Cum	6	0.50	0.50	0.50	0.75		
	Park in 23rd cross road sahakaranagar		10	0.5	0.5	0.50	1.25		
	For saucer Drain								
	Park in Railway parallel road sahakaranagar		1	110.00	0.30	0.10	3.30		
	Park in 23rd cross road sahakaranagar		1	120.00	0.30	0.10	3.60		
	sports club Park		1	175.00	0.30	0.10	5.25		
							14.15	5767.46	**81609.56**
8	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202 (P.No.139, I.No.18.54 of PW,P&IWTD S.R 2016-17)								
	Park in Railway parallel road sahakaranag	mtr	1	15.00	--	--	15.00		
	Park in 23rd cross road sahakaranagar		1	25.00	--	--	25.00		
							40.00	44.52	**1780.80**
9	Supplying and fixing M.S.Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lifts and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved qulaity paint over one coat of shop painting.(excluding cost of earth work and concrete) (P.No.262, I.No.37.2 of PW,P&IWTD S.R 2016-17)								
	Park in Railway parallel road sahakaranag	m	6.00	2.50	--	--	15.00		
	Park in 23rd cross road sahakaranagar		10.00	2.50	--	--	25.00		
							40.00	868.14	**34725.60**
10	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.(P.No.262, I.No.37.3 of PW,P&IWTD SR 2016-17)								
	Park in Railway parallel road sahakaranag	Sqm	1	15.00	2.10	--	31.50		
	Park in 23rd cross road sahakaranagar		1	25.00	2.10	--	52.50		
							84.00	698.54	**58677.36**
11	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint..(P.No.262, I.No.37.4 of PW,P&IWTD SR 2016-17)								
	Park in Railway parallel road sahakaranag	m	1	30.00	--	--	30.00		
	Park in 23rd cross road sahakaranagar		1	50.00	--	--	50.00		

Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
							80.00	343.44	**27475.20**
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification(P.No.42, I.No7.37 of PW,P&IWTD S.R 2016-17))								
	Park in Railway parallel road sahakaranagar		2	3.00		2.00	12.00		
	Park in 23rd cross road sahakaranagar		2	3.00		2.00	12.00		
							24.00	3238.30	**77719.20**
13	KSRRB M800-7. Painting:-Providing and applying two coats of ready- mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 Painting on Steel Surface(P.No.184, I.No24.8.1 of PW,P&IWTD S.R 2016-17))								
	for gate								
	Park in Railway parallel road sahakaranagar		2	3.00		2.00	12.00		
	Park in 23rd cross road sahakaranagar		2	3.00		2.00	12.00		
	For chainlink Fencing								
	Perimeter for railway parallel road		1	128.00		2.00	256.00		
	Perimeter for 23rd cross road		1	117.00		2.00	234.00		
							514.00	58.30	**29966.20**
14	Providing and making precast seating arrangement including excavation laying pcc M15, providing laying M20 concrete for pedestal and seating slab, fixing of seating slab including all necessary bolt and nuts etc, complete and as per the directions of Engineer in-Charge. (Data Rate)								
	Park in Railway parallel road sahakaranagar		15	--	--	--	15.00		
	Park in 23rd cross road sahakaranagar	Nos	15	--	--	--	15.00		
	sports club Park		15	--	--	--	15.00		
							45.00	2493.00	**112185.00**
15	Providing Rain water Harvesting pits to Drain (Sub estimate Enclosed)								
	Park in Railway parallel road sahakaranag	each	1	2.00	--	--	2.00		

Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
	Park in 23rd cross road sahakaranagar		1	2.00	--	--	2.00		
	sports club Park		1	2.00	--	--	2.00		
							6.00	21000.00	**126000.00**
							Total Construction Cost		**2707392.840**
16	Lump sum provision for providing and Supplying for Childrens play Equipments								**2249000.00**
17							**Cost towards Preparation of DPR LS**		**16245.00**
18							**Cost towards PMC / Third Party inspection LS**		**27074.00**
								Sub Total	**4999711.84**
							Miscellaneous and rounding off		**288.16**
19								**Total**	**5000000.00**

Certificate.

1 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary.
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

For Tejus Consultants

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

Technical Sanction
Accorded For ..... 50.00 lakh Rs.
Head of A/C..... P3158
CER NO :.....164.. **Dt:**..04/03/17

TA CE (YNK)

EXISTING VIEWS PARKS IN RAILWAY PARALLEL ROAD